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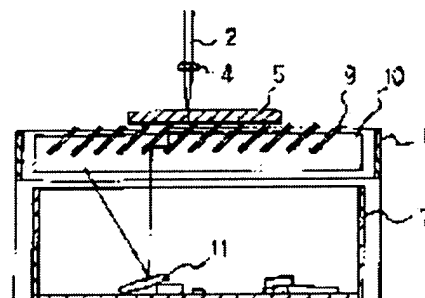
SATO KIYOSHI

## (54) WORK SUPPORTING TABLE OF MACHINING EQUIPMENT

## (57)Abstract:

PURPOSE: To prevent the burning of a bellows by alternately reflecting a working medium to attenuate the energy of the working medium and prevent the scattering of the secondary reflected beam to the surroundings.

CONSTITUTION: The laser beam 2 converged by a converging lens 4 is converged on a work 5 to cut the work 5. After the cutting, the laser beam passes through the work 5 and is reflected by a slat 9. The reflected laser beam is repeatedly reflected between the adjacent slats 9, and advances to a receiving pan 7 and reflected by a chip 11. In the conventional method, this reflected beam keeps the large energy. However, the laser beam is alternately reflected between the slats 9 and advances to the receiving pan 7, and when the laser beam reaches the receiving pan 7, the energy of this laser beam is fairly reduced. Thus, even if the laser beam is brought into contact with the chip 11 and reflected thereby, it does not come out of the receiving pan 7.



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